Claims:

- 1. A herbicidal composition, comprising an effective amount of
- A) at least one compound of formula (I) and its agriculturally customary salts (Component A)

in which

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X is a radical  $X^1$ ,  $X^2$  or  $X^3$ 

$$(R^1)_k$$
 $(R^1)_k$ 
 $(R^1)_k$ 
 $(R^1)_k$ 
 $(R^1)_k$ 
 $(R^1)_k$ 
 $(R^1)_k$ 
 $(X^2)$ 
 $(X^3);$ 

Q is a radical  $Q^1$ ,  $Q^2$ ,  $Q^3$ ,  $Q^4$  or  $Q^5$ 

$$R^{10}$$
 $R^{10}$ 
 $R^{10}$ 
 $R^{12}$ 
 $R^{13}$ 
 $R^{14}$ 
 $R^{14}$ 
 $R^{14}$ 
 $R^{15}$ 
 $R$ 

- Z is a radical  $Z^1$ ,  $CH_2$ - $Z^1$  or  $Z^2$ ;
- is a five- to ten-membered monocyclic or bicyclic saturated, partially saturated, fully unsaturated or aromatic ring which is attached via carbon or nitrogen and which, in addition to carbon atoms, contains 1, 2, 3 or 4 heteroatoms from the group consisting of oxygen, sulfur and nitrogen and which is unsubstituted or mono- or polysubstituted by halogen, cyano, nitro, cyano-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, CO-R<sup>15</sup>,
   (C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkoxy, (C<sub>1</sub>-C<sub>4</sub>)-alkylthio, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkylthio, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, by phenyl which is optionally mono- or polysubstituted by halogen, cyano, nitro, (C<sub>1</sub>-C<sub>4</sub>)-alkyl or halo-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or by an oxo group;
- is  $(C_3-C_{12})$ -cycloalkyloxy- $(C_1-C_4)$ -alkyl, aryloxy- $(C_1-C_4)$ -alkyl, heteroaryloxy- $(C_1-C_4)$ -alkyl, heterocyclyl- $(C_1-C_4)$ -alkyl, halo- $(C_1-C_4)$ -alkoxy- $(C_1-C_4)$ -alkyl, aryl- $(C_1-C_4)$ -alkoxy- $(C_1-C_4)$ -alkyl, heteroaryl- $(C_1-C_4)$ -alkyl, aryl- $(C_3-C_8)$ -cycloalkylthio- $(C_1-C_4)$ -alkyl, heterocyclyl- $(C_3-C_8)$ -

cycloalkylthio-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)cycloalkylsulfonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)cycloalkylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkylsulfonylamino-(C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkylcarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkylcarbonyloxy- $(C_1-C_4)$ -alkyl,  $(C_3-C_8)$ -cycloalkoxycarbonyl- $(C_1-C_4)$ -alkyl,  $(C_3-C_8)$ cycloalkylcarbonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkylaminocarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylthio-(C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylsulfonyl-(C<sub>1</sub>- $C_4$ )-alkyl,  $(C_4-C_{12})$ -cycloalkylamino- $(C_1-C_4)$ -alkyl,  $(C_4-C_{12})$ cycloalkylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylsulfonylamino-(C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylcarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylcarbonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkoxycarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylcarbonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>4</sub>-C<sub>12</sub>)-cycloalkylaminocarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, arylthio- $(C_1-C_4)$ -alkyl, arylsulfinyl- $(C_1-C_4)$ -alkyl, arylsulfonyl- $(C_1-C_4)$ -alkyl, arylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, arylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, arylsulfonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, arylcarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, arylcarbonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryloxycarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, arylcarbonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, arylaminocarbonyl-(C1-C4)-alkyl, heteroarylthio-(C1-C4)-alkyl, heteroarylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylsulfonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylsulfonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylcarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylcarbonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryloxycarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylcarbonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroarylaminocarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylthio-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylsulfonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl,

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heterocyclylsulfonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylcarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylcarbonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclyloxycarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylcarbonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclylaminocarbonyl-(C<sub>1</sub>-C<sub>4</sub>)alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkylthio-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino-(C<sub>1</sub>-C<sub>4</sub>)alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)alkylsulfonylamino-(C1-C4)-alkyl, halo-(C1-C4)-alkylcarbonyl-(C1-C4)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkylcarbonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkyloxycarbonyl-(C<sub>1</sub>-C<sub>4</sub>)alkyl, halo- $(C_1-C_4)$ -alkylcarbonylamino- $(C_1-C_4)$ -alkyl, halo- $(C_1-C_4)$ alkylaminocarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylthio-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylcarbonyl-(C<sub>1</sub>-C<sub>4</sub>)alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylcarbonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkyloxycarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylcarbonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl-(C<sub>1</sub>-C<sub>4</sub>)alkylaminocarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylthio-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)alkylsulfonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonylamino-(C<sub>1</sub>-C<sub>4</sub>)alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylcarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)alkylcarbonyloxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylcarbonylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heteroaryl-(C<sub>1</sub>-C<sub>4</sub>)alkylaminocarbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclyl-(C<sub>1</sub>-C<sub>4</sub>)-alkylthio-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclyl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclyl-(C<sub>1</sub>-C<sub>4</sub>)alkylsulfonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, heterocyclyl-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino-(C<sub>1</sub>-C<sub>4</sub>)-alkyl,

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heterocyclyl-( $C_1$ - $C_4$ )-alkylsulfonyloxy-( $C_1$ - $C_4$ )-alkyl, heterocyclyl-( $C_1$ - $C_4$ )-alkylsulfonylamino-( $C_1$ - $C_4$ )-alkyl, heterocyclyl-( $C_1$ - $C_4$ )-alkylcarbonyloxy-( $C_1$ - $C_4$ )-alkyl, heterocyclyl-( $C_1$ - $C_4$ )-alkylcarbonyloxy-( $C_1$ - $C_4$ )-alkylcarbonylamino-( $C_1$ - $C_4$ )-alkyl, heterocyclyl-( $C_1$ - $C_4$ )-alkylaminocarbonyl-( $C_1$ - $C_4$ )-alkyl,

$$-CH_{2} - P - R^{17}, -CH_{2} - P - OR^{18}, -CH_{2} - P - OR^{18}$$

or  $O-(CH_2)_p-O-(CH_2)_w-R^{20}$ ;

W is one of the groups  $W^1$ ,  $W^2$ ,  $W^3$  or  $W^4$ 

$$R^{21}$$
  $R^{22}$   $OR^{23}$   $NOR^{24}$   $N$   $R$   $(W^2)$   $(W^2)$   $(W^3)$   $(W^4)$ ;

15 Y is O or  $NR^{26}$ ;

together with the two carbon atoms to which it is attached is a phenyl ring or a 5-or 6-membered heterocycle which may be saturated, partially saturated, fully unsaturated or aromatic and contains 1, 2 or 3 heteroatoms from the group consisting of oxygen, sulfur and nitrogen, where the heterocycle contains not more than 2 sulfur or 2 oxygen atoms and the phenyl ring or heterocycle which contains the group E is unsubstituted or mono- or polysubstituted by (C<sub>1</sub>-C<sub>6</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkoxy, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl, (C<sub>1</sub>-C<sub>6</sub>)-alkylsulfinyl, (C<sub>1</sub>-C

alkylsulfonyl, halo-( $C_1$ - $C_6$ )-alkylsulfonyl, aminosulfonyl, ( $C_1$ - $C_6$ )-alkylaminosulfonyl, ( $C_2$ - $C_{12}$ )-dialkylaminosulfonyl, NR $^{26}$ R $^{27}$ , ( $C_2$ - $C_6$ )-alkoxycarbonyl, ( $C_2$ - $C_6$ )-alkylcarbonyl, halogen, cyano, nitro or by pyridyl;

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is halogen, cyano, nitro,  $(Y)_n$ -S $(O)_q$ -R $^{28}$ ,  $(Y)_n$ -CO-R $^{15}$  or is  $(C_1$ -C $_6$ )-alkyl,  $(C_2$ -C $_6$ )-alkenyl,  $(C_2$ -C $_6$ )-alkynyl or  $(C_1$ -C $_4$ )-alkoxy which are substituted by V halogen atoms or K  $(C_1$ -C $_4$ )-alkoxy groups;

10  $R^2$ ,  $R^3$ ,  $R^5$  and  $R^7$  independently of one another are hydrogen or (C<sub>1</sub>-C<sub>6</sub>)-alkyl;

 $R^4$  is hydrogen, or is (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>6</sub>)-cycloalkyl, tetrahydropyran-3-yl, tetrahydropyran-4-yl or tetrahydrothiopyran-3-yl which are substituted by K radicals from the group consisting of halogen, (C<sub>1</sub>-C<sub>6</sub>)-alkylthio and (C<sub>1</sub>-C<sub>6</sub>)-alkoxy;

 $R^6$  is hydrogen, (C<sub>1</sub>-C<sub>6</sub>)-alkyl or CO<sub>2</sub>R<sup>15</sup>, or

 $\ensuremath{\text{R}^{4}}$  and  $\ensuremath{\text{R}^{6}}$  together form a bond or a three- to six-membered carbocyclic ring;

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is  $OR^{29}$ , thio,  $(C_1-C_6)$ -alkylthio, halo- $(C_1-C_6)$ -alkylthio,  $(C_1-C_6)$ -alkylsulfinyl, halo- $(C_1-C_6)$ -alkylsulfinyl,  $(C_1-C_6)$ -alkylsulfonyl, halo- $(C_1-C_6)$ -alkylsulfonyl, halogen,  $NR^{26}R^{27}$ , phenylthio, phenylsulfonyl or phenylcarbonylmethylthio, where the three last-mentioned groups are substituted by K radicals from the group consisting of  $(C_1-C_3)$ -alkyl, halogen, cyano and nitro;



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- is hydrogen,  $(C_1-C_6)$ -alkyl, halo- $(C_1-C_6)$ -alkyl,  $(C_2-C_6)$ -alkenyl,  $(C_2-C_6)$ -alkynyl,  $(C_2-C_6)$ -alkynyl,  $(C_2-C_6)$ -alkynyl,  $(C_2-C_6)$ -alkynyl,  $(C_2-C_6)$ -alkynyl,  $(C_2-C_6)$ -alkynyl,  $(C_2-C_6)$ -alkynyl, halogen, cyano and nitro;
- 5  $R^{10}$  is hydrogen, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkoxy, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkoxy, halogen, cyano or nitro;
  - R<sup>11</sup> is hydrogen,  $(C_1-C_6)$ -alkyl, halo- $(C_1-C_6)$ -alkyl,  $(C_3-C_6)$ -cycloalkyl;  $(C_3-C_6)$ -cycloalkyl;
- $R^{12}$  is hydrogen, (C<sub>2</sub>-C<sub>6</sub>)-alkoxycarbonyl, halo-(C<sub>2</sub>-C<sub>6</sub>)-alkoxycarbonyl, S(Q)<sub>q</sub>R<sup>28</sup>, CO<sub>2</sub>H or cyano;
  - R<sup>13</sup> is  $(C_1-C_6)$ -alkyl, halo- $(C_1-C_6)$ -alkyl, halo- $(C_3-C_6)$ -cycloalkyl or is  $(C_3-C_6)$ -cycloalkyl which is substituted by a radical  $(C_1-C_3)$ -alkyl;
  - R<sup>14</sup> is cyano, (C<sub>2</sub>-C<sub>6</sub>)-alkoxycarbonyl, (C<sub>2</sub>-C<sub>6</sub>)-alkylcarbonyl, S(O)<sub>q</sub>-R<sup>30</sup> or C(O)NR<sup>26</sup>R<sup>27</sup>;
- 20  $R^{15}$  is (C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or NR<sup>26</sup>R<sup>27</sup>;
  - $R^{16}$  and  $R^{17}$  independently of one another are (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>2</sub>-C<sub>6</sub>)-alkenyl, (C<sub>2</sub>-C<sub>6</sub>)-alkynyl, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, aryl or aryl-(C<sub>1</sub>-C<sub>6</sub>)-alkyl which are substituted by K radicals from the group consisting of halogen, cyano, nitro, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkoxy and halo-(C<sub>1</sub>-C<sub>6</sub>)-alkoxy;
  - R<sup>18</sup> and R<sup>19</sup> independently of one another are hydrogen or R<sup>16</sup>, or

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 $R^{18}$  and  $R^{19}$  together form a (C<sub>2</sub>-C<sub>5</sub>)-alkenyl chain;

 $R^{20} \quad \text{is } (C_1\text{-}C_4)\text{-alkyl, } (C_2\text{-}C_8)\text{-alkenyl, } (C_2\text{-}C_6)\text{-alkynyl, halo-}(C_1\text{-}C_6)\text{-alkyl, halo-}(C_2\text{-}C_6)\text{-alkenyl, halo-}(C_2\text{-}C_6)\text{-alkenyl, } (C_1\text{-}C_6)\text{-alkoxy, } (C_2\text{-}C_6)\text{-alkenyloxy, } (C_2\text{-}C_6)\text{-alkynyloxy, halo-}(C_1\text{-}C_6)\text{-alkoxy, halo-}(C_2\text{-}C_6)\text{-alkynyloxy or halo-}(C_2\text{-}C_6)\text{-alkenyloxy;}$ 

 $R^{21}$  is hydrogen, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkyl,  $Z^{1}$ , O- $Z^{1}$ , S- $Z^{1}$  or NR<sup>30</sup> $Z^{1}$ ;

10  $R^{22}$  is hydrogen, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>2</sub>-C<sub>4</sub>)-alkenyl or (C<sub>2</sub>-C<sub>4</sub>)-alkynyl, or

 $R^{21}$ ,  $R^{22}$  together with the carbon atom to which they are attached form a carbonyl group or an O-CH<sub>2</sub>CH<sub>2</sub>-O group which is substituted by 9 (C<sub>1</sub>-C<sub>3</sub>)-alkyl radicals, or  $R^{21}$  is hydrogen and  $R^{22}$  is  $Z^1$ ;

 $\mbox{R}^{23}$  and  $\mbox{R}^{24}$  independently of one another are (C1-C6)-alkyl, halo-(C1-C6)-alkyl, (C3-C6)-cycloalkyl, (C2-C6)-alkenyl, halo-(C2-C6)-alkenyl, (C2-C6)-alkynyl or  $\mbox{Z}^1;$ 

20  $R^{25}$  is  $Z^1$ ;

 $R^{26}$  is hydrogen or (C<sub>1</sub>-C<sub>6</sub>)-alkyl;

 $R^{27}$  is hydrogen, (C<sub>1</sub>-C<sub>6</sub>)-alkyl or (C<sub>1</sub>-C<sub>6</sub>)-alkoxy, or

R<sup>26</sup> and R<sup>27</sup> together form (CH<sub>2</sub>)<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>, (CH<sub>2</sub>)<sub>4</sub>, (CH<sub>2</sub>)<sub>5</sub>, or (CH<sub>2</sub>)<sub>2</sub>O(CH<sub>2</sub>)<sub>2</sub>;

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- $R^{28}$  is (C<sub>1</sub>-C<sub>4</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or  $NR^{26}R^{27}$ ;
- is hydrogen, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>2</sub>-C<sub>6</sub>)-alkoxyalkyl, formyl, (C<sub>2</sub>-C<sub>6</sub>)-alkylcarbonyl, (C<sub>2</sub>-C<sub>6</sub>)-alkoxycarbonyl, C(O)NR<sup>26</sup>R<sup>27</sup>, (C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl, halo-(C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl, or is phenyl, benzyl, benzoyl, CH<sub>2</sub>C(O)phenyl or phenylsulfonyl which are substituted in the phenyl ring by K radicals from the group consisting of (C<sub>1</sub>-C<sub>3</sub>)-alkyl, halogen, cyano and nitro;
- $R^{30}$  is (C<sub>1</sub>-C<sub>6</sub>)-alkyl or (C<sub>1</sub>-C<sub>6</sub>)-alkoxy;
- a is 0, 1, 2, 3 or 4;
  - b is 1 or 2;
- 15 k is 0, 1, 2 or 3;
  - I is 0, 1 or 2;
  - m is 0 or 1;
    - n is 0 or 1;
    - p is 1, 2 or 3;
- 25 q is 0, 1 or 2;
  - v is 0, 1, 2, 3, 4 or 5;
  - w is 0, 1, 2 or 3,

and

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- B) at least one compound (Component B) from one of the groups
- B-a) herbicides which are selectively active in cereals against monocotyledonous and/or dicotyledonous harmful plants,
- 5 B-b) herbicides which are selectively active in corn against monocotyledonous and/or dicotyledonous harmful plants,
  - B-c) herbicides which are selectively active in rice against monocotyledonous and/or dicotyledonous harmful plants,
- B-d) herbicides which are nonselectively active in land which is not under cultivation and/or selectively active in transgenic crops against monocotyledonous and/or dicotyledonous harmful plants,

where this composition comprises the compounds of the formula (I) or their salts (Component A) and the compounds of groups B-a) to B-d) (Component B) in a ratio by weight of from 1:2000 to 2000:1.

- 2. A herbicidal composition as claimed in claim 1, which comprises as Component A) a compound of the formula I in which Q is one of the radicals  $Q^1$ ,  $Q^2$ ,  $Q^3$  or  $Q^4$ .
- 3. A herbicidal composition as claimed in claim 1, which comprises as Component A) a compound of the formula I in which Q is one of the radicals  $Q^1$ ,  $Q^2$  or  $Q^3$ .
- 4. A herbicidal composition as claimed in claim 1, which comprises as Component A) a compound of the formula I in which Q is one of the radicals Q<sup>1</sup> or Q<sup>3</sup>.
- 5. A herbicidal composition as claimed in claim 1, which comprises as Component A) a compound of the formula I in which X is a radical X<sup>1</sup>.

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- A herbicidal composition as claimed in claim 1, which comprises as
  Component B) at least one herbicide from the group B-a), consisting of
  amidosulfuron, bentazone, bromoxynil, carfentrazone-ethyl, chlortoluron, clodinafop,
  cloransulam-methyl, diclofop-methyl, fenoxaprop-P-ethyl, florasulam, flufenacet,
   fluoroglycofen-ethyl, flupyrsulfuron-methyl-sodium, iodosulfuron, isoproturon,
  metsulfuron, pendimethalin, pyraflufen-ethyl, sulfosulfuron, thifensulfuron,
  tralkoxydim, tribenuron, 2-amino-4-(1-fluoro-1-methylethyl)-6-(3-phenyl-1-cyclobutyl1-propylamino)-1,3,5-triazine and N-[(4,6-dimethoxypyrimidin-2-yl)-aminocarbonyl]-2methoxycarbonyl-5-methylsulfonylaminomethylbenzenesulfonamide.
  - 7. A herbicidal composition as claimed in claim 6, which comprises bromoxynil, clodinafop, fenoxaprop-P-ethyl, iodosulfuron, pyraflufen-ethyl, tralkoxydim, 2-amino-4-(1-fluoro-1-methylethyl)-6-(3-phenyl-1-cyclobutyl-1-propylamino)-1,3,5-triazine or N-[(4,6-dimethoxypyrimidin-2-yl)-aminocarbonyl]-2-methoxycarbonyl-5-methylsulfonylaminomethylbenzenesulfonamide.

A herbicidal composition as claimed in claim 1, which comprises as Component B) at least one herbicide from the group B-b), consisting of acetochlor, alachlor, atrazine, bromoxynil, carfentrazone-ethyl, dicamba, diflufenzopyr, dimethenanide, flufenacet, flumetsulam, fluthiacet-methyl, halosulfuron, imazamox, imazapyr, imazaquin, imazethapyr, iodosulfuron, metolachlor, metosulam, metribuzin, nicosulfuron, pethoxamide, pendimethalin, primisulfuron, prosulfuron, pyridate, rimsulfuron, thenylchlor, thifensulfuron-methyl, tritosulfuron and N-[(4,6-dimethoxypyrimidin-2-yl)-aminocarbonyl]-2-dimethylaminocarbonyl-5-formylbenzenesulfonamide.

- 9. A herbicidal composition as claimed in claim 8, which comprises bromoxynil, dicamba, diflufenzopyr, iodosulfuron, nicosulfuron, rimsulfuron or N-[(4,6-dimethoxypyrimidin-2-yl)-aminocarbonyl] 2-dimethylaminocarbonyl-5-formylbenzenesulfonamide.
- 10. A herbicidal composition as claimed in claim 1, which comprises as Component B) at least one herbicide from the group B-c), consisting of anilofos,

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azimsulfuron, benfuresate, bensulfuron, bentazone, benthiocarb, bromobutide, bispyribac-sodium, butachlor, cinosulfuron, clomazone, cyclosulfamuron, ethoxysulfuron, esprocarb, imazosulfuron, KPP-314, pyribenzoxim, mefenacet, molinate, oxaziclomefone, OK9701, oxadiargyl, pretilachlor, propanil, pyrazosulfuron, quinclorac, thenylchlor, triclopyr and 1-(3-chloro-4,5,6,7-tetrahydropyrazolo-[1,5-a]-pyrid-2-yl)-5-(methylpropargylamino)-4-pyrazolylcarbonitrile.

- 11. A herbicidal composition as claimed in claim 10, which comprises benfuresate, bensulfuron, ethoxysulfuron, molinate, oxaziclomefone or 1-(3-chloro-4,5,6,7-tetrahydropyrazolo-[1,5-a]-pyrid-2-yl)-5-(methylpropargylamino)-4-pyrazolylcarbonitrile.
- 12. A herbicidal composition as claimed in claim 1, which comprises as Component B) at least one herbicide from the group B-d), consisting of glufosinate, glyphosate, imazamox, imazapyr, imazaquin, imazethapyr and sulfosate.
- 13. A herbicidal composition as claimed in claim 12, which comprises glufosinate or glyphosate.
- 20 14. A herbicidal composition as claimed in claim 1, wherein the ratio by weight A:B of the combined herbicides A) and B) is in the range from 1:20 to 50:1.
  - 15. A herbicidal composition as claimed in claim 1, which comprises 0.1-99% by weight of herbicides A) and B) and 99 to 0.1% by weight of formulation auxiliaries which are customary in crop protection.
  - 16. A method for controlling undesirable vegetation, which comprises applying one or more herbicides A) with one or more herbicides B) to the harmful plants, to parts thereof or to the area under cultivation, where the combination of the herbicides A) and B) is defined as in any of claims 1 to 15.

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17. The use of a combination of herbicides A) and B) as herbicidal composition for controlling undesirable vegetation, where the combination of the herbicides A) and B) is defined as in any of-claims—to 15.

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